## **Declaration, Power of Attorney and Petition**

Page 1 of 3

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

claimed and for which a paten	is sought on the invention en	titled	•		
SENSOR H	EAD, GAS SENSOR,	AND SENSOR UNIT			
the specification of which					
is attached l	nereto.				
was filed on as					
Application	Serial No.				
and amende	d on				
was filed as	PCT international application	1			
Number _	PCT/JP2004/004315				
on March 2	6, 2004	,			
and was am	ended under PCT Article 19				
on	(if app	licable).			
We (I) hereby state that wincluding the claims, as amend		erstand the contents of the aboved to above.	identified specification,		
We (I) acknowledge the das defined in Section 1.56 of T		nown to be material to the patenta lations.	bility of this application		
application(s) for patent or invate least one country other than	ventor's certificate, or § 365(a) the United States, listed belatent or inventor's certificate	35 U.S.C. § 119(a)-(d) or § a) of any PCT International application and have also identified belower, or PCT International application application of Foreign Application (s)	cation which designated w, by checking the box,		
Application No.	Country	Day/Month/Year	Priority Claimed		
P2003-086468	Japan	26/March/2003	⊠ Yes □ No		
			☐ Yes ☐ No		
			☐ Yes ☐ No		
			☐ Yes ☐ No		

We (I) hereby claim the benefit under Title application(s) listed below.	e 35, United Stat	tes Code, § 119(e) of any United States provisional
(Application Number)	_	(Filing Date)
(Application Number)		(Filing Date)
any PCT International application designating to each of the claims of this application is not distribute manner provided by the first paragraph of 35	the United States closed in the price 5 U.S.C. § 112, I R § 1.56 which b	ny United States application(s), or under § 365(c) of s, listed below and, insofar as the subject matter of or United States or PCT International application in acknowledge the duty to disclose information which became available between the filing date of the prior is application.
Application Serial No.	Filing Date	Status (pending, patented, abandoned)
	· · · · · · ·	
And we (I) hereby appoint the following re	egistered practition	oner(s):
	22850	
as our (my) attorneys, with full powers of substi business in the Patent Office connected therewi application be sent to	tution and revocath; and we (I) he	ation, to prosecute this application and to transact all ereby request that all correspondence regarding this
	22850	
on information and belief are believed to be truthat willful false statements and the like so made	e; and further the are punishable b	with knowledge are true and that all statements made that these statements were made with the knowledge by fine or imprisonment, or both, under Section 1001 calse statements may jeopardize the validity of the
Kazushi YAMANAKA NAME OF FIRST SOLE INVENTOR	R	esidence: Sendai-shi, Miyagi, Japan
Kazushi Jamanaka	_	
Signature of Inventor	<del></del>	itizen of: Japan  Iailing Address: 6-3, Katsura 2-chome,
		zumi-ku, Sendai-shi, Miyagi 981-3134 Japan
October 5, 2005		
Date	_	

Noritaka NAKASO	Residence: Sugito-machi, Kitakatsushika-gun,
NAME OF SECOND JOINT INVENTOR	Saitama, Japan
	Citizen of: Japan
Signature of Inventor	Mailing Address: c/o TOPPAN PRINTING CO.,
	LTD., 5-1, Taito 1-chome, Taito-ku,
Date	Tokyo 110-0016 Japan
Nobuo TAKEDA	Residence: Sendai-shi, Miyagi, Japan
NAME OF THIRD JOINT INVENTOR	
C:	Citizen of: Japan
Signature of Inventor	Mailing Address: c/o BALL SEMICONDUCTOR
	LTD., 1-7, Minaminagareyama 4-chome,
Date	Nagareyama-shi, Chiba 270-0163 Japan
Date	
	·
NAME OF FOURTH JOINT INVENTOR	Residence:
	Citizen of:
Signature of Inventor	
	Mailing Address:
Date	-
	Residence:
NAME OF FIFTH JOINT INVENTOR	
0	Citizen of:
Signature of Inventor	Mailing Address:
Date	
Date	

## **Declaration, Power of Attorney and Petition**

Page 1 of 3

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ciaimed and for which a pate	ant is sought on the inv	vention entitled				
SENS	OR HEAD, GAS	SENSOR,	AND SENSO	R UNIT		
the specification of which						
is attached	l hereto.					
☐ was filed o	on	as				
Application	on Serial No.			_		
and amend	ded on			_•		
was filed a	as PCT international a	pplication				
Number	PCT/JP2004/00431	5	<u>-</u>			
on March	26, 2004		,			
and was a	mended under PCT A	rticle 19				
on		(if applicable)				
We (I) hereby state that including the claims, as amer  We (I) acknowledge the as defined in Section 1.56 of  We (I) hereby claim fo application(s) for patent or in at least one country other that	duty to disclose infor Title 37 Code of Feder reign priority benefit inventor's certificate, of	ent referred to about the mation known to eral Regulations.  ts under 35 U. or § 365(a) of an	ove.  be material to the second of the secon	ne patentability of d) or § 365(b) anal application v	of any	plication foreign esignated
any foreign application for before that of the application	patent or inventor's	certificate, or Po	CT International	application havi		
Application No.	Country		Day/Month/Ye	ear	Prior Claim	•
P2003-086468	Japan		26/March/200	<u>3</u>	Yes	□ No
					Yes	□ No
					Yes	□ No
					Yes	□ No
						_

10/01

We (I) hereby claim the benefit application(s) listed below.	under Title 35, United S	States Code, § 119(e) of any	United States provisional
(Application Numb	er)	(Filing Date)	-
(Application Numb	er)	(Filing Date)	-
We (I) hereby claim the benefit using PCT International application deeach of the claims of this application the manner provided by the first paragis material to patentability as defined application and the national or PCT In	signating the United States is not disclosed in the paraph of 35 U.S.C. § 112 in 37 CFR § 1.56 which	ates, listed below and, insofar prior United States or PCT In t, I acknowledge the duty to di th became available between the	r as the subject matter of ternational application in sclose information which
Application Serial No.	Filing Date		(pending, patented, abandoned)
And we (I) hereby appoint the fo	ollowing registered pract	itioner(s):	
	2285		
as our (my) attorneys, with full power business in the Patent Office connect application be sent to	is of substitution and revelon therewith; and we ( $\Gamma$ )	ocation, to prosecute this appl ) hereby request that all corre	ication and to transact all spondence regarding this
	2285		
We (I) declare that all statements on information and belief are believed that willful false statements and the lik of Title 18 of the United States Coa application or any patent issuing there	d to be true; and further se so made are punishable de and that such willfu	r that these statements were note by fine or imprisonment, or	nade with the knowledge both, under Section 1001
Kazushi YAMANAKA NAME OF FIRST SOLE INVENTOR	8	Residence: Sendai-shi, Miya	gi, Japan
Signature of Inventor		Citizen of: Japan	
organical di inventor		Mailing Address: 6-3, Katsu	<del></del>
		Izumi-ku, Sendai-shi, Miyagi	981-3134 Japan
Date	<del></del>		

Noritaka NAKASO	Residence: Sugito-machi, Kitakatsushika-gun,
NAME OF SECOND JOINT INVENTOR	Saitama, Japan
Moritaka Vakaso	Citizen of: Japan
Signature of Inventor	Mailing Address: c/o TOPPAN PRINTING CO.,
	LTD., 5-1, Taito 1-chome, Taito-ku,
September 12, 2005	Tokyo 110-0016 Japan
Date	
Nobuo TAKEDA	Residence: Sendai-shi, Miyagi, Japan
NAME OF THIRD JOINT INVENTOR	•
	Citizen of: Japan
Signature of Inventor	Mailing Address: c/o BALL SEMICONDUCTOR
	LTD., 1-7, Minaminagareyama 4-chome,
	Nagareyama-shi, Chiba 270-0163 Japan
Date	
	Residence:
NAME OF FOURTH JOINT INVENTOR	
	Citizen of:
Signature of Inventor	Mailing Address:
Date	
	Residence:
NAME OF FIFTH JOINT INVENTOR	
	Citizen of:
Signature of Inventor	Mailing Address:
Date	

## **Declaration, Power of Attorney and Petition**

Page 1 of 3

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

claimed and for w	hich a patent is s	ought on th	ne inven	ition entitled						
	SENSOR	HEAD,	GAS	SENSOR,	AND	SENSOR	UNIT			
the specification of	of which									
	is attached heret	0.								
	was filed on			as						
	Application Seri									
	and amended on					·				
$\boxtimes$	was filed as PCT	Γ internatio	nal app	lication						
	Number PCT	/JP2004/0	04315			_				
	on March 26, 20	004				_,				
	and was amende	d under PC	T Artic	ele 19						
	on			(if applicable)	•					
including the clair		y any amei	ndment	referred to abo	ove.			_		
as defined in Secti	wledge the duty t ion 1.56 of Title 3				be mate	enal to the p	atentability of	this a	pplica	ition
We (I) hereby application(s) for at least one count any foreign appli before that of the	ry other than the cation for patent	r's certific United State or invent	ate, or states, list or's cer	§ 365(a) of an ted below and rtificate, or Po	y PCT I have al CT Inter	international so identified rnational app	application we below, by cholication havi	vhich d necking	lesign	ated box,
Application 2	No.	Cou	ntry		Day/N	/lonth/Year		Prio Clai	-	
P2003-0864	68	Jap	an	<u> </u>	26/M	(arch/2003	🖂	Yes		No
							🗆	Yes		No
								Yes		No
							_	Yes		No
									_	

We (I) hereby claim the benefit und application(s) listed below.	der Title 35, United S	tates Code, § 119(e) of any	United States provisional
(Application Number)	<u>—</u>	(Filing Date)	-
(Application Number)		(Filing Date)	-
We (I) hereby claim the benefit under any PCT International application design each of the claims of this application is the manner provided by the first paragraph is material to patentability as defined in application and the national or PCT Inter-	nating the United Sta not disclosed in the p ph of 35 U.S.C. § 112 37 CFR § 1.56 which	ites, listed below and, insofar prior United States or PCT In , I acknowledge the duty to din became available between the	as the subject matter of ternational application in sclose information which
Application Serial No. Filing Date			(pending, patented, abandoned)
And we (I) hereby appoint the follo	owing registered practi	itioner(s):	
	22850	D C	
as our (my) attorneys, with full powers o business in the Patent Office connected application be sent to			
	22850		
We (I) declare that all statements ma on information and belief are believed to that willful false statements and the like s of Title 18 of the United States Code application or any patent issuing thereon.	o be true; and further so made are punishable and that such willful	that these statements were ne by fine or imprisonment, or	nade with the knowledge both, under Section 1001
Kazushi YAMANAKA NAME OF FIRST SOLE INVENTOR	<del></del>	Residence: Sendai-shi, Miya	gi, Japan
Signature of Inventor		Citizen of: Japan	um 2 ahama
		Mailing Address: 6-3, Katsu Izumi-ku, Sendai-shi, Miyagi	

Date

Noritaka NAKASO	Residence: Sugito-machi, Kitakatsushika-gun,
NAME OF SECOND JOINT INVENTOR	Saitama, Japan
	Citizen of: Japan
Signature of Inventor	Mailing Address: _c/o TOPPAN PRINTING CO.,
	LTD., 5-1, Taito 1-chome, Taito-ku,
Dete	Tokyo 110-0016 Japan
Date	
Nobuo TAKEDA	Residence: Sendai-shi, Miyagi, Japan
NAME OF THIRD JOINT INVENTOR	
Solar Laberta	
Nobus latera (ND)	Citizen of: Japan
Signature of Inventor October 14, 2005	Mailing Address: c/o BALL SEMICONDUCTOR
$\int I \int I$	LTD., 1-7, Minaminagareyama 4-chome,
Post / Mariles	Nagareyama-shi, Chiba 270-0163 Japan
Date	
NAME OF FOURTH JOINT INVENTOR	Residence:
	Citizen of
Signature of Inventor	Citizen of:
	Mailing Address:
Date	
	·
	Residence:
NAME OF FIFTH JOINT INVENTOR	
·	Citizen of:
Signature of Inventor	Mailing Address:
Date	
Date	